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Arkansas Amphibians and Reptiles in the Kansas University Museum

EDWARD H. TAYLOR

DURING the past ten years the University of Kansas Museum has accumulated a large collection of amphibians and reptiles from Arkansas. As the locality records are important in determining limits of distribution, this data is incorporated with the following notes.

The first considerable contribution to this collection was made during the summer of 1926, when I accompanied Theodore E. White, then a student in the University of Kansas, to Devall Bluff, Prairie county, for the purpose of making a representative herpetological collection from this region. June 24 to July 13 was spent in this region, although Mr. White made a trip to Lewisville during the first part of July.

Prairie county lies in the eastern third of the state, somewhat below a line dividing the state into northern and southern halves. It is in the hills on the edge of the valley of the White river. In the vicinity of the town there are numerous oxbow lakes, ponds and bayous. West of the town there are low hills, the country being partly wooded and partly cultivated.

The second part of the collection was obtained from Mr. R. E. McEntyre. This was made during the spring and summer of 1926, chiefly about Lewisville, Lafayette county. The third part was obtained from Byron Marshall, from Imboden, Lawrence county, in the northern part of the state.

This paper does not attempt any complete list of the fauna, but gives records only of specimens in the Kansas Museum collections. The numbers listed are those of this museum.

CAUDATA

Amphiuma tridactylum Cuvier. Two specimens (Nos. 3862 and 3863) from Lewisville, Lafayette county, are in the collection, collected by R. E. McEntyre.

Ambystoma jeffersonianum (Green). Localities: Crawford Co., No. 4600, R. E. McEntyre, Nov. 5, 1926; Lafayette Co., near Lewisville, No. 4630, T. E. White, July 5, 1926.

Ambystoma maculatum (Shaw). Locality: Lafayette Co., near Lewisville, Nos. 2625-2626, May 20, 1926; Nos. 7194-7195 (skeletons), March 5, 1926; Nos. 4017-4022, Feb. 26, 1926; Nos. 4023-4024, Mar. 5, 1926; Nos. 4025-4028, Apr. 6, 1926. All collected by R. E. McEntyre.

Ambystoma texanum (Matthes). Locality: Lafayette Co., near Lewisville, Nos. 2634-2638, 4932-44, 4145-4174, Mar. 5, 1926; Nos. 4046-4079, 4122-4144, 4556-4557, Apr. 6, 1926; Nos. 4080-4106, 4181-4232, 4175-4180, Apr. 1, 1926; Nos. 4101-4121, Feb. 26, 1926; Nos. 7192, 7193, 9191 (skeletons). All collected by R. E. McEntyre.

Ambystoma opacum (Gravenhorst). Locality: Lafayette Co., near Lewisville, No. 1948, Jan. 12, 1926; No. 1970, Feb. 14, 1926; Nos. 3931-3942, 4011-4012, Feb. 26, 1926; Nos. 3966-3985, Mar. 5, 1926; Nos. 3943-3965, Apr. 1, 1926; Nos. 3986-4010, 4045, Apr. 6, 1926; Nos. 7187-7191 (skeletons), Mar. 5, 1926. All collected by R. E. McEntyre.

Manculus quadrigitatus quadridigitatus (Holbrook). Lafayette Co., near Lewisville, Nos. 2646, 5007-5026, 11607-16663, Aug. 20, 1926; No. 5004, May 20, 1926, collected by R. E. McEntyre; Nos. 16928-17015, July 5, 1926, T. E. White.

Eurycea melanopleura (Cope). Two specimens (Nos. 14775-14776) were collected near Lewisville, Lafayette Co., by R. E. McEntyre.

Eurycea lucifuga Rafinesque. Four specimens were collected by J. D. Black of northwestern Arkansas; No. 17500, 2 mi. east of Alabam, Madison county; and Nos. 18023-18025, 6 miles west of Paririe Grove, Washington county.

Desmognathus brimleyorum Stejneger. Localities: Garland Co., Nos. 4628-4629, J. Hurter, Apr. 9, 1906; Crawford Co., Nos. 4601-4604, R. E. McEntyre, Nov. 5, 1926; Lafayette Co., near Lewisville, Nos. 2627-2633, July 3, 1926, T. E. White; Nos. 2645, Apr. 19, 1926, Jarrel Jackson; Nos. 4558-4563, Mar. 20, 1926, R. E. McEntyre; Nos. 4564-4571, 4605-4627, July 15, 1926, T. E. White; Nos. 4572-4598, Apr. 20, 1926, Jarrel Jackson; Nos. 4631-4647, R. E. McEntyre, Aug. 20, 1926.

Typhlotriton spelacus Stejneger. A single larval specimen (No. 16191) is in the collection from Imboden, Lawrence Co., collected by

Byron Marshall, Feb., 1930; Nos. 18426-18439, Washington Co., J. D. Black; No. 17247, White Co., E. Cypert; Nos. 14777-14778, Stone Co., Byron Marshall.

SALIENTIA

Scaphiopus holbrooki holbrooki (Harlan). Three specimens were obtained from Imboden, Arkansas (Nos. 9444, 9445 and 1760). Collected by Byron Marshall.

Bufo woodhousii fowleri (Hinckley). This species was found to be especially abundant along the White river in the vicinity of Devall Bluff, where Theodore White and I collected a large series at dusk along the sandy river bank. Localities: Prairie Co., Devall Bluff, Nos. 6190-6280; Washington Co., Nos. 17362-17365, J. D. Black.

Acris gryllus (Le Conte). This form was omnipresent about the ponds and lakes near Devall Bluff. Prairie Co., Devall Bluff, Nos. 6190-6219, White and Taylor; Lafayette Co., Nos. 13544-13569 and 18474, R. E. McEntyre, collector.

Pseudacris feriarum (Baird). A small series (Nos. 11690-11698) was received from Lafayette Co., collected by R. E. McEntyre.

Pseudacris occidentalis (Baird and Girard). The collection contains Nos. 11699-11701, from Lewisville, Lafayette Co., collected by R. E. McEntyre; and No. 17679, White Co.

Hyla cincrea cincrea (Schneider). On the night of July 6 a great chorus of this species was heard at the upper end of Upshaw Lake near Devall Bluff. The night was cloudy and there was a threat of rain after several weeks of dry weather. The frogs were found along the shore of the lake and in the willows that bordered the lake. A large series was taken, all of which were males. The following day a heavy rain fell, and the same night the chorus was even more vociferous than the preceding night. This night I found a few females. These were clasped by males, but I found no evidence of egg deposition. Locality: Prairie Co., Devall Bluff, Nos. 10435-10559, Taylor and White, collectors, June 6 and 7, 1926.

Hyla versicolor versicolor (Le Conte). The series of specimens obtained at Devall Bluff approach the typical form more closely than the related subspecies. Prairie Co., Devall Bluff, Nos. 10702-107, White and Taylor; Lafayette Co., No. 10720; Washington Co., J. D. Black.

Hyla versicolor chrysoscelis (Cope). Six specimens were collected in Lafayette Co. by Mr. White, which apparently approach this subspecies more closely than the typical form (Nos. 10720-10725, July, 1926).

Rana areolata Baird and Girard. Only a single specimen (No. 9278) is in the collection. This was collected at Lewisville, Lafayette Co., by R. E. McEntyre.

Rana catesbeiana Shaw. A series (Nos. 9171-9177 and 9262-9273) was collected at Devall Bluff in July, 1926.

Rana clamitans Latreille. A large series was obtained at Devall Bluff along the edges of ponds and lakes at night. These were more wary than the large bullfrog. Localities: Prairie Co., Devall Bluff, Nos. 9299-9305, 9314-9382, White and Taylor; Lafayette Co., near Lewisville, Nos. 8646-8657, R. E. McEntyre, Aug. 20, 1926; Washington Co., Nos. 16805-17358, June 4, 1932, and Nos. 17735-17736, Aug. 18, 1933, J. D. Black.

Rana pipiens Schreber. Localities: Prairie Co., Devall Bluff, Nos. 9702-9713, July, 1926, White and Taylor; Washington Co., No. 16542, John Davis; Nos. 16443-16444, July, 1932, J. D. Black.

Rana sphenocephala Cope. A single adult species collected in the woods at some distance from the water has been assigned to this species (No. 16109, Prairie Co., near Devall Bluff. Taylor, collector), also a series, Nos. 16110-16113, Lafayette Co., collected by McEntyre.

Rana sylvatica Le Conte. This species is known from only a single specimen (No. 16526) collected by J. D. Black, July 12, 1932, in Washington Co.

Gastrophryne carolinensis (Holbrook). The collection contains the following: Priaire Co., Devall Bluff, Nos. 9922-9937, Taylor-White; White Co., Nos. 17515-17519, Eugene Cypert.

SAURIA

Anolis carolinensis Voigt. Three specimens are in the collection: "South Arkansas," Nos. 4-5, R. L. Moodie, Apr. 1, 1915; Lafayette Co., near Lewisville, No. 16726, T. E. White, July 10, 1926.

Sceloporus undulatus Latreille. Specimens are in the collection from the following localities: Lafayette Co., near Lewisville, Nos. 7228, 12662-12680, 15323-15350, R. E. McEntyre; No. 15322, T. E. White; Pulaski Co., Nos. 10863-10865, Wayne Whitlow; Crawford Co., Nos. 12659-12660, Mark Hanna; Washington Co., Nos. 16854-16873, J. D. Black.

Cnemidophorus sexlineatus (Linné). A good series of this wide-

spread species was obtained at the edge of a small cotton field near Devall Bluff. The lizards did not appear above ground, usually, until about eleven o'clock in the morning (July), at which time they began their feeding activities. After about three o'clock in the afternoon, they eeased activity and disappeared into their burrows. Some of the burrows were opened. It was observed that two, sometimes three or four tunnels would meet at a somewhat enlarged cavity placed usually eight to ten centimeters below the surface of the ground. None examined reached a depth of more than fourteen centimeters. Specimens are in the collection from the following localities: Prairie Co., Devall Bluff, Nos. 3472, 12696-12736, 12760-12764, Taylor and White; Jefferson Co., No. 12737, Hodgeland; Lafayette Co., near Lewisville, Nos. 12778-12781, R. E. McEntyre; Washington Co., Nos. 16714-16732, J. D. Black.

Leiolopisma laterale (Say). This species was observed frequently in the wooded upland near the town of Devall Bluff. None were seen in the lowland that was subject to overflow. Two eggs were obtained from dry, rotting wood July 5, 1926. The embryos were developed to a point where the color pattern was beginning to show. The collection contains the following specimens: Prairie Co., Devall Bluff, Nos. 8815-8819, E. H. Taylor; Lafayette Co., near Lewisville, Nos. 8235, 8243, 8700-8701, 8820-8839, T. E. White and R. E. McEntyre; Pulaski Co., Nos. 8250, 8251. W. B. Whitlow; Crawford Co., No. 7743, R. E. McEntyre.

Eumeces anthracinus Baird. A few specimens of this species were collected in southern Arkansas by R. E. McEntyre, and a splendid series was obtained at Imboden by Byron Marshall. The following numbers are in the collection: Lafayette Co., near Lewisville, Nos. 8803-8808, R. E. McEntyre; Lawrence Co., near Imboden, Nos. 8219-8231, 8840, 8952-8953, Byron Marshall.

Eumeces fasciatus (Linné). I collected a number of these skinks in the woods along the river, as well as in the uplands about Devall Bluff. Several sets of eggs were obtained, usually from under the heavy bark of decaying logs. Invariably the eggs were being brooded. The first set of nine eggs was found July 2, partially incubated. The second, July 13, a set of ten eggs. These were distinetly larger than the preceding set. The young in the eggs were apparently ready to hatch, as the color pattern was complete, and could crawl about when taken from the egg. The specimens seen seemed to be terrestrial, not one being observed in trees or on their trunks. The larger species, *laticeps*, was said to be present, but I failed to discover them. The following specimens are in the collection: Lafayette Co., near Lewisville, Nos. 7759, 7761, 8704, 8706, 8708, 8709, 8844-8849, 8888-8809, 8969-8974, Farrel, Jackson, R. E. McEntyre, and T. E. White; Lawrence Co., Imboden, Nos. 8279-8355, 8864-8873, 8909-8934, 11350-11380, 9127-9129, Byron Marshall; Prairie Co., Devall Bluff, Nos. 8852-8863, Taylor and White.

Eumeces laticeps (Schneider). A series of five specimens, Nos. 7802-7806, of this large skink was obtained from Byron Marshall at Imboden. One specimen, shipped alive to Lawrence, Kan., devoured a specimen of *Eumeces fasciatus* which had been shipped in the same container.

SERPENTES

Carphophis amoena vermis (Kennicott). Washington Co., Nos. 16670, 16671, 16675, June 13-18, 1932; J. D. Black.

Farancia abacura (Holbrook). R. E. McEntyre obtained a single specimen at Lewisville, Apr. 6, 1926 (No. 2211).

Heterodon contortrix (Linné). Two specimens were collected at Lewisville, by R. E. McEntyre; No. 2490, May 15, 1926, and No. 2494, July 7, 1925.

Opheodrys aestivus (Linné). J. D. Black collected a small series of this species in Washington Co.: No. 16557, June 17, 1932; No. 16750, June 29, 1932; No. 16751, July 24, 1932; No. 16752, Aug. 6, 1932; No. 16753, Sept. 12, 1932; No. 18014, Aug. 20, 1933 (Ray McKinzie).

Coluber constrictor constrictor (Linné). Five specimens are in the collection: Lafayette Co., Lewisville, No. 2212, Apr. 6, 1926, and No. 2483, May 15, 1926, McEntyre; Washington Co., No. 15693, Dec. 22, 1931, Hugh Phillips; Lawrence Co., Imboden, No. 17154, Aug., 1929, and No. 17723, May, 1929, Byron C. Marshall.

Coluber constrictor flaviventris (Say). Typical specimens of flaviventris appear to be confined to the northwestern part of the state. Washington Co., No. 16673, June 17, 1932; No. 16816, July 7, 1932; No. 16817, July 15, 1932, J. D. Black; Nos. 17927, 17929-17931, Aug. 18-24, E. Davis; Benton Co., No. 18000, Oct. 20, 1933, R. D. Harding.

Masticophis flagellum flagellum (Shaw). J. D. Black collected two specimens of this snake: No. 16900, Oct. 1, 1932, in Washington Co., and No. 17499, June 11, 1933, Madison county. *Elaphe lacta* (Baird and Girard). A single specimen, No. 18350, was collected in Washington county, Aug. 6, 1932, by E. Davis.

Elaphe obsoleta obsoleta (Say). Typical specimens of this subspecies were obtained in northwestern Arkansas by J. D. Black and R. D. Harding. Washington Co., No. 16804, Sept. 11, 1932; No. 16905, July 12, 1932, Black; Benton Co., No. 17738, Oct. 20, 1933, Harding.

Elaphe obsoleta confinis Baird and Girard. I collected a single specimen of this species at Devall Bluff (No. 3845) June 23, 1926.

Lampropeltis calligaster (Harlan). A single specimen (No. 7423) collected at Lewisville, Lafayette Co., by McEntyre, May 15, 1926, is in the collection.

Lampropeltis getulus holbrooki Stejneger. Three specimens were collected at Devall Bluff. One specimen was surprised in an old cypress stump, rooting turtle eggs out of a burrow in the rotting wood. Two eggs had already been eaten, and two others had been brought to light. I could not determine the species of the turtle eggs since the embryos were too small to make such a determination. Prairie Co., Devall Bluff, No. 2502, July 1, 1926; No. 3844, June 23, 1926; No. 7432, July 6, 1926, White and Taylor; Crawford Co., No. 2998, Nov. 5, 1926, R. E. McEntyre; Lafayette Co., Lewisville, No. 2491, Apr. 6, 1926, R. E. McEntyre; No. 2501, T. E. White, July 5, 1926; Washington Co., No. 16711, June 15, 1932, J. D. Black.

Natrix crythrogaster crythrogaster (Forster). A series was obtained from Byron Marshall, Imboden, Lawrence county, as follows: Nos. 8359-8369, 11807-11819 (adult with young), 13667-13673, 13684-13686.

Natrix erythrogaster transversa (Hallowell). J. D. Black obtained a single specimen of this species in Washington Co. (No. 16803, June 27, 1932). R. E. McEntyre and T. E. White obtained three specimens, Nos. 2487, 2488, 2895, at Lewisville, Lafayette county.

Natrix rhombifera (Hallowell). This species was found to be common in the region of Devall Bluff. They were captured at night, usually in the edge of the water in rivers and ponds, occasionally in low shrubs lining the water's edge. The following were taken July 2-8, 1926: Nos. 2511, 2512-2516, 2539, 2541-2548, 3588, White and Taylor. A single specimen was collected by R. E. Me-Entyre at Lewisville, Lafayette Co. (No. 2486).

Natrix sipedon sipedon (Linné). Two specimens, Nos. 2994-2995,

were collected by R. E. McEntyre, Nov. 5, 1926, in Crawford Co. Two, Nos. 13705-13706, were collected at Imboden, Lawrence Co., June, 1930, by Byron Marshall.

Natrix fasciata confluens (Blanchard). This species was common in the region about Devall Bluff. They were taken at night in low trees and shrubs along the edge of the ponds and bayous. Nos. 2415 2503-2510, 2538, 3856-3861, Devall Bluff, White and Taylor; No. 2493, May 1, 1926, Lafayette Co., McEntyre.

Storeria dekayi (Holbrook). The following specimens are in the collection: Crawford Co., No. 1734, Dec. 2, 1910, G. D. Hanna; Lafayette Co., Lewisville, No. 2489, Mar. 5, 1926, R. E. McEntyre; Washington Co., Nos. 16600-16601, July 13. Aug. 13, 1932, J. D. Black.

Storeria occipito—maculata (Storer). One specimen was collected in Pulaski Co. by W. B. Whitlow, Sept., 1924 (No. 2492).

Virginia valeriae elegans Kennicott. A single specimen, collected by Byron Marshall at Imboden, Lawrence Co., is in the collection (No. 17454).

Thamnophis sauritus proximus (Say). The following specimens of this widely distributed form are in the collection: Lafayette Co., Lewisville, No. 2366, May 1, 1926, No. 2496, Aug. 20, 1924, No. 2497, Nov. 5, 1926, McEntyre; Crawford Co., No. 2996, McEntyre; Washington Co., No. 15696, Dec. 24, 1931; No. 16599, Aug. 9, 1933, Black.

Thamnophis sirtalis parietalis (Say). J. D. Black has collected this species in the northwestern part of the state. Washington Co., No. 16841, June 18; No. 16880, June 7; No. 16881, July 15; No. 16888, July 23, 1932, Black.

Agkistrodon mokasen Beauvois. Three specimens are in the collection; Lafayette Co., Lewisville, No. 2483; Washington Co., No. 16518, June 3, 1932, John Davis; Benton Co., No. 18130, Oct. 20, 1933, R. D. Harding.

Agkistrodon piscivorus (Lacépède). This species was extremely common about the lakes and ponds in the vicinity of Devall Bluff. A large series was taken, all save one having been captured at night around the edges of the lakes and ponds where they were feeding. When approached with a light they usually remained motionless. Often one would open its mouth widely. Rarely did they attempt to escape by swimming to deeper water.

Several of the live snakes were placed in a box containing live

Pseudemys elegans. Certain of the turtles were bitten by the snakes and eight died within 24 hours, presumably as the result of the bites. In a box containing no snakes there were no deaths among the turtles. Frequent references in literature tell of this snake erawling into bushes above the water during the day. My experience was that none were seen in bushes. In daylight, early one morning, I observed one swimming near the shore, and one was routed and captured from a pile of drift. All the others were found at night, suggesting that the snake is almost exclusively nocturnal in habits. The collection contains the following Arkansas specimens: Lafayette Co., Lewisville, Nos. 2484-2485, Apr. 20, 1926; Nos. 7503-7507, skeletons, Apr. 6, 1926; No. 16140, May 15, 1926, R. E. McEntyre; Prairie Co., Deval Bluff, Nos. 2513-15, 2518-2537, 3846-3854, 7508-7510, June 26-July 5, 1926, Taylor and White.

Sistrurus miliarius (Linné). J. D. Black collected a single specimen, Aug. 22, 1932, in Washington county (No. 16553).

TESTUDINATA

Sternotherus carinatus (Gray). Two specimens of this species were collected from the edge of a pond near Devall Bluff. These apparently were lost, as they were not catalogued in the Museum. A single specimen, No. 3052, was collected by R. E. McEntyre, near Lewisville, Lafayette county.

Sternotherus odoratus (Latreille). Five specimens of this species were found in a pond near Devall Bluff; and two were collected in woods at some distance from the pond. These are Nos. 3390-3393, 3397-3399, and 3477, June 29 to July 7, 1926, Taylor and White.

Kinosternon subrubrum hippocrepis (Gray). The collection contains the following: Prairie Co., Devall Bluff, Nos. 3033, 3394, White and Taylor, June 20 to July 7, 1926; Lafayette Co., Lewisville, Nos. 3053-3055, 3190, R. E. McEntyre.

Macrochelys temminckii (Troost). A number of specimens were collected by seining in the river near Devall Bluff. Numbers of dead specimens, killed by fishermen, were to be seen along the river banks. Prairie Co., Devall Bluff, Nos. 2880, 2882, 3389, 3401, 3402, 3772-3447, White and Taylor; Nos. 2883, 2943, W. D. Warfield; Lafayette Co., near Lewisville, Nos. 3058, 3117, R. E. McEntyre.

Chelydra serpentina (Linné). The following are in the collection: Prairie Co., Devall Bluff, Nos. 2823, 3388, 3775-3779, White and Taylor. Terrapene triunguis Agassiz. Two specimens were found on the higher land four miles west of Devall Bluff. The following are present in the collection: Lafayette Co., near Lewisville, Nos. 2540, 2855, T. E. White; Prairie Co., Devall Bluff, Nos. 3395-3396, White and Taylor; Washington Co., Nos. 16690, 16874, 17368, 18307, 18334, 18338, 18353-18355, J. D. Black.

Terrapene carolina (Linné). One specimen was collected on a disused road, six miles west of Devall Bluff. Apparently this specimen has been lost as I do not find it in the collection of Kansas University.

Pseudemus elegans (Wied.) Several living specimens of this form and several practically complete skeltons were obtained near Devall Bluff, on the top of a small hill in the woods, about 400 yards from the nearest pond. The summit of the hill, which was probably 175 feet above the level of the ponds, had been chosen by these turtles as an incubating ground and they had gone there for the purpose of depositing their eggs. Several were observed while in the process of digging the holes in the ground and several sets of eggs were found, although none of the turtles was observed depositing eggs. The method of making the holes was as follows: When a female had chosen a spot for making a hole, she would begin scratching the ground with her hind feet. Since the ground at this season was hard and baked, she would urinate on the ground to soften the dirt. Then digging would be resumed. I was unable to watch the process of digging the hole to completion. In one case a female was found approaching a small hole apparently begun the previous day. After feeling about with her hind feet for a time, she urinated and then in a minute or two resumed her digging. I did not observe the deposition of the eggs, but several sets were found buried in small pockets. The dirt, wet when plastered over the openings, was baked very hard on the surface, evidently offering considerable resistance to animals bent upon robbing the nests.

One nest, containing six eggs, showed an excavation 11.4 cm. deep and about 5.6 cm. in greatest diameter; the surface opening was somewhat less than 4 cm. in diameter. The six eggs in this clutch were flesh-white in color, and of a leathery texture. The following are their measurements (in millimeters): 39×23 ; 38×22.5 ; 38.2×23 ; 38.5×22.1 ; 39×23 ; 38.2×22.4 . A second set obtained nearby have the following measurements: 38×23.8 ; 39.2×22 ; 39.8×21.8 ; 37×21 ; 38×22 ; 38×21.8 . These eggs were fresh, showing little or no incubation.

More than 15 skeletons were found in the immediate vicinity and two or three specimens that had recently died. I am unable to account for the very high mortality. The carcasses were examined, and they proved to be females with the eggs unlaid. The viscera were in an advanced state of decay, so nothing as to cause could be determined by the examination.

A nest was found which had been opened by some animal, and the leathery shells, emptied of their contents, were scattered about.

A number of other specimens of both sexes were obtained while seining.

The following numbers are in the collection from Devall Bluff: Nos. 1174, 1180, 1371, 1373, 2677-2689, 2749, 2812-16, 2827-2829, 2900, 3109, 3228, 3255, 3558, 3370, 3428-3444, 3447-3448, 3784-3793, White and Taylor, June 20 to July 7, 1926.

Graptemys geographica (Le Sueur). Prairie Co., Devall Bluff, No. 2832, White and Taylor; Lafayette Co., near Lewisville, No. 3795, R. E. McEntyre.

Graptemps pseulogeographica pseulogeographica (Gray). The following specimens were captured by seining in the White river at Deval Bluff: Nos. 1175, 1181, 1183, 1372, 1871, 2463, 2464, 2667-2673, 2750, 2804-2811, 3107-3112, 3232-3240, 3254, 3340-3345, 3359, 3560, 3371-3380, 3386-3387, 3403-3425, 3744, 3781, 3782, 3796, 3802, 3803-3826, White and Taylor, June 20 and July 6, 1926.

Chrysemys picta dorsalis (Agassiz). A single specimen (No. 3783) was collected at Devall Bluff by T. E. White.

Pseudemys texana Baur. The following specimens are in the collection: Prairie Co., Devall Bluff, Nos. 1176-1179, 1182-1185, 2800, 2830-2831, 3113, 3229-3231, 3352-3357, 3364-3369, 3794, Taylor, White, and McEntyre, June and July, 1926; Lafayette Co., Lewis-ville, No. 2221, R. E. McEntyre, June, 1926.

Deirochelys reticularia (Latreille). A single specimen (No. 3400) was collected at Devall Bluff, by Taylor and White, July 1, 1926.

Amyda spinifera (LeSueur). Splendid series of both sexes of this turtle were taken, which showed an extraordinary amount of sexual difference. The adult females were much larger, usually more than double the measurements of the males, and often three times the bulk of the largest and oldest males.

On a sand bank on the edge of Burnt Bayao, a number of sets of eggs belonging, apparently, to this species were found. The nests were discovered by punching stakes in the sand. None of the clutches obtained were complete, but the numbers of eggs in them varied between 12 and 23. The eggs were nearly round, and covered with a hard (but rather fragile) shell. Some were apparently freshly laid while others showed embryos considerably advanced in development.

The following specimens are in the collection: Prairie Co., Devall Bluff, Nos. 1867, 1869, 1879, 1931, 1949, 1950-1951, 2280-2291, 2357-2666, White and Taylor, June 20, July 6, 1926; Lafayette Co., Lewisville, Nos. 2225-2230, 2761-2762, 2826, 2842, 2930-2990, 3056, R. E. McEntyre.

Amyda mutica (Le Sueur). Large series of both sexes were obtained at Devall Bluff, and the same sex differences noted in Amyda spinifera, likewise obtained in this species. It is not improbable that some of the eggs obtained at Burnt Bayao belonged to this species. Prairie Co., Devall Bluff, Nos. 1867-1870, 1874-1876, 1878, 1881, 1930, 1957-1963, 2294-2306, 2308, 2309, 2838-2841, 2999, 3002, White and Taylor, June 20, July 6, 1926; Lafayette Co., near Lewisville, Nos. 2224, 2308, 2309, R. E. McEntyre.